Please read	instructions	on reverse before	completing	form

United States

Х	Registration
	Amendment
	Other

Form Approved, OMB No. 2070-0060

**OPP Identifier Number** 

<b>♥EFA</b>	nvironmental Washin	pton, DC 204		43	Amenda Other	ment	269941
	A	pplicatio	n for Pestici	de - Sec	tion I		
1. Company/Product Number 10182 -UGT		24			nager	3. Pro	
4. Company/Product (Name) GLYPHOSATE ACID TECHNICAL			PM#	25			None Restricted
Zeneca Ag Products P.O. Box 15458 Wilmington, DE 198	, Inc. 50-5458	(e)	(b)(i), r to: EPA I Produ	Reg. No	524-420	tical in co	mposition and labeling
			Section -				
Resubmission in respons	se to Agency letter o	ated	X	Agency let "Me Too"	tter dated Application.	e to	
		. (For section	4	11			
4 Managai This Deadunt Will De	Deakared Inc		Occion 1	19			-1
Child-Resistant Packaging Yes* No	Yes X No	No. per container	Water Soluble F Yes No If "Yas" Package wgt	No. per	X	Metal Plastic Glass Paper	pecify) Plastic Bags
3. Location of Net Contents Info	ormation	4. Size(s) Ret	ail Container	7-1-1			ns
X Label Con	tainer	1200 kg				•	panying product
6. Manner in Which Label is Af	fixed to Product	Lithog Paper Stenci	raph glued led	Oth	er		
	Application for Pesticide - Section I  organy/Product Number  Ji2 - HGT  Ji Tompk in S  Ji Type of Container  Ji3 - Proposed Clessification I  None Restricted  PM# 25  Section - II  Amendment - Explain below.  Resubmission in response to Agency letter dated Yes and Yes and Agency letter dated Yes and Yes and Agency letter dated Yes and						
1. Contact Point (Complete ite	ms directly below fo	r identificatio	n of individual to b	e contacted	, if necessary, to p	rocess this	application.)
Name Becky Rhodes		4		Product	Manager	Telephone 865-9	No. (Inclede Area Code) 082-8379
I acknowledge that any k	nowingly false or m	this form and	all attachments th				Received
2. Signature Becky Rholes	nas		Regulatory	Product	Manager		
4. Typed Name Becky Rhodes				2000			•••••



#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

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Do not send the completed form to this address.		
Certification with Respec	to Citation of Data	
Applicant's/Registrant's Name, Address, and Telephone Number Zeneca Ag Products, Inc. P.O. Box 15458, Wilmington, DE 19850 865-982-8379	EPA Registr 10182-JJG	ation Number/File Symbol
Active Ingredient(s) and/or representative test compound(s) Glyphosate, N-(phosphonomethyl)glycine	Date 5/2	2/00
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158 See att.	PGL YPHO	SATE ACID TECHNICAL
NOTE: If your product is a 100% repackaging of another purchased EPA-register submit this form. You must submit the Formulator's Exemption Statement (EPA For		uses on your label, you do not need to
I am responding to a Data-Call-In Notice, and have included with this form a be used for this purpose).	st of companies sent offers of co	npensation (the Data Matrix form should
SECTION I: METHOD OF DATA SUP	ORT (Check one method only)	
I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).	under the selective meti	method of support (or cite-all option nod), and have included with this form a quirements (the Data Matrix form must b
SECTION II: GENERAL	FFER TO PAY	
SECTION III: CERT	FICATION	
I certify that this application for registration, this form for reregistration, or the application for registration, the form for reregistration, or the Data-Call-In response. It indicated in Section I, this application is supported by all data in the Agency's files the substantially similar product, or one or more of the ingredients in this product; and (2) requirements in effect on the date of approval of this application if the application sou uses.	addition, if the cite-all option or cit (1) concern the properties or effe a type of data that would be requ	e-all option under the selective method is its of this product or an identical or lired to be submitted under the data
I certify that for each exclusive use study cited in support of this registration the written permission of the original data submitter to cite that study.		inal data submitter or that I have obtaine
	or reregistration, that I am the oriç	
compensation have expired for the study; (d) the study is in the public literature; or (e offered (l) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(	n that is not an exclusive use study and that is not an exclusive use study and the source of this application; have notified in writing the compa	iy, either: (a) I am the original data (c) all perlods of eligibility for any that submitted the study and have
submitter; (b) I have obtained the permission of the original data submitter to use the compensation have expired for the study; (d) the study is in the public literature; or (e) offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(amount and terms of compensation, if any, to be paid for the use of the study.  I certify that in all instances where an offer of compensation is required, co accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will evidence to the Agency upon request, I understand that the Agency may initiate action FIFRA.	n that is not an exclusive use study in support of this application; have notified in writing the comparts (2)(B) of FIFRA; and (ii) to commodes of all offers to pay compensations are submitted to the Agency upon not deny, cancel or suspend the restautions.	ity, either: (a) I am the original data (c) all periods of eligibility for any that submitted the study and have ence negotiations to determine the on and evidence of their deligations to produce such gistration of my product in conformity with
submitter; (b) I have obtained the permission of the original data submitter to use the compensation have expired for the study; (d) the study is in the public literature; or (e) offered (l) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(amount and terms of compensation, if any, to be paid for the use of the study.	In that is not an exclusive use study in support of this application; have notified in writing the compact (2)(B) of FIFRA; and (ii) to commodes of all offers to pay compensations are submitted to the Agency upon reaching to deny, cancel or suspend the resents to it are true, accurate, and	ity, either: (a) I am the original data (c) all periods of eligibility for any that submitted the study and have ence negotiations to determine the on and evidence of their deliger in equest. Should I fail to produce such gistration of my product in conformity with complete. I acknowledge that any

EPA Form 8570-34 (9-97) Electronic and Paper versions available. Submit only Paper version.

#### General Use Patterns:

Terrestrial and Aquatic Food and Non food; Greenhouse Food and Nonfood; Forestry; and Domestic Outdoor.





**ZENECA Ag Products** 

Wilmington, DE 19850-5458

Telephone (302) 886-1000

1800 Concord Pike P.O. Box 15458

Fax (302) 886-1553

#### **ZENECA**

May 22, 2000

Mr. Jim Tompkins
Product Management Team (25)
Fungicide-Herbicide Branch
Registration Division (H7505C)
Office of Pesticide Programs
Document Processing Desk (APPL)
U.S. Environmental Protection Agency
Crystal Mall 2, Room 266A
1921 Jefferson Davis Highway
Arlington, VA 22202

Re: GLYPHOSATE ACID TECHNICAL
EPA File Symbol 10182-UGT
Application for Pesticide Registration of a Manufacturing Use Product

Dear Mr. Tompkins:

Zeneca Ag. Products, Inc. herewith is applying to convert EPA File Symbol 10182-UGT to a "me-too" application for pesticide registration of GLYPHOSATE ACID TECHNICAL (88% active ingredient) as a manufacturing use product in accordance with Section 3 of the Federal Insecticide, Fungicide and Rodenticide Act as amended. The me-too reference product is Monsanto Company's GLYPHOSATE (96.3% active ingredient), EPA Registration No. 524-420. The enclosed registration application consists of one administrative volume which contains the following information:

- Transmittal Letter
- Application Form for Pesticide Registration (8570-1);
- Certification with Respect to Citation of Data form and a data matrix listing the studies being cited;
- five copies of the proposed product labels;
- a Letter of Authorization from Monsanto Company authorizing Zeneca the right to cite data pertaining to glyphosate, glyphosate technical, isopropylamine salt of glyphosate, or ammonium salt of glyphosate;
- a copy of the labeling for the me-too referenced product, GLYPHOSATE (96.3% active ingredient), EPA Registration No. 524-420
- a copy of a Product Chemistry Review by Harold Podall, Chemist TRB/RD, DP Barcode No.
   D246877, dated 9/8/98
- Zeneca's justification for wider certified limits as provided for in 40 CFR 158.175 (c).



Product chemistry data (MRID 44320601, 44320602, and 44320603), previously submitted on June 27, 1997, support this registration and have been reviewed as outlined above. With the exception of certified limits all product chemistry data guidelines have been satisfied. Enclosed is a justification for wider certified limits as provided for in 40 CFR 158.175(c). This is identical to the document sent to Tobi Colvin-Snyder by e-mail on May 18, 2000. The nominal concentration of the proposed product (88%) differs slightly from GLYPHOSATE, EPA Reg. No. 524-420 (96.3%). This difference is the result of the However, the product

chemistry data demonstrate that Zeneca's GLYPHOSATE ACID TECHNICAL is substantially similar to GLYPHOSATE.

Acute toxicity data (MRID 44320604, 44320605, 44320606, 44320607, 44320608, and 44320609) were also previously submitted on June 27, 1997. Apparently, these data have not yet been reviewed. Per our discussion on May 11, 2000, you will retrieve these for review by the Precautionary Language Section. They were previously sent to the Hazards Effect Division for review. However, if you find them to be illegible, then we would gladly provide additional copies.

Following for your convenience is a table comparing the acute toxicity data for GLYPHOSATE ACID TECHNICAL and GLYPHOSATE.

GDLN. STUDY		GLYPHOSATE ACII	)		YPOSATE <sup>1</sup>
NO.		TECHNICAL RESULTS	MRID	RESULTS	MRID
81-1	Acute oral rat	LD <sub>50</sub> >5000 mg/kg Cat. IV	44320604	LD <sub>50</sub> >4320 mg/kg Cat. III	67039
81-2	Acute dermal rat	LD <sub>50</sub> >2000 mg/kg Cat. III	44320605	LD <sub>50</sub> >2000 mg/kg Cat. III	67039
81-3	Acute inhalation rat	LC <sub>50</sub> >4.43 mg/l Cat. IV	44320606	Not Required	
81-4	Eye irritation rabbit	Slight to mild effects, clearing by Day 7 Cat. III	44320607	Mild irritation, clears in 7 days Cat. III	41400603
81-5	Primary dermal irritation rabbit	None Cat. IV	44320608	Slight irritation Cat. IV	41400604
81-6	Dermal Sesitization	None N/A	44320609	Negative N/A	137137

<sup>1</sup>Source of information: Reregistration Eligibility Decision (RED); EPA 738-R-93-014; September, 1993; pages 10 and 11.

Please note that the results are comparable with the exception of Acute oral where dose selection appears to be the difference in categories.

All generic data requirements are being satisfied through citation of data previously submitted by • Monsanto Company and approved for GLYPHOSATE, EPA Reg. No. 524-420. These data are listed on the Data Matrix.

Attachment A to this letter provides a list of studies listed in the RED as generic data citations. These studies have not been cited as they are either no longer compensible or they are product specific studies. Since Zeneca is providing it's own product specific studies, it is not necessary to cite these studies.

Additionally, even though Scotts Company is on the official data submitter's list, all of their studies are product specific studies and therefore are not being cited.

Given that GLYPHOSATE ACID TECHNICAL is substantially similar to GLYPHOSATE and that the only new data to be considered for this registration are product chemistry and acute toxicology, we respectfully request that this registration application be reviewed on an expedited time frame.

Under separate cover, we will be submitting applications for registration of ZPP1560 LIQUID CONCENTRATE manufacturing use product; and ZPP1560 and ZPP1560 PRO end use products containing GLYPHOSATE ACID TECHNICAL. Each MUP and End-Use product is supported by a full set of product chemistry and acute toxicology studies. We request review and approval of these registration applications simultaneously.

Please contact Becky Rhodes at 865-982-8379, or Nancy Bockrath, my Regulatory Assistant, at 302-886-1066 if there are any questions about this submission.

Sincerely,

Becky Rhodes
Becky Rhodes

Regulatory Product Manager

Zeneca Ag Products, Inc.

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WASHINGTON, D.C. 20460

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 1 of 51
Applicant's/Registrant's Name & Address Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phosphol	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status_	Note
31-1, 61-2 and 61-3	Product Identification, Description of Beg. Materials	44320601	ZENECA AG PRODUCTS, INC.	OWN	
	and Manufacturing Process. Discussion of Formation				1
	of Impurities.				
62-1, 62-2 and 62-3	Preliminary Analysis	44320602	ZENECA AG PRODUCTS, INC.	OWN	
	Certification of Limits				
	Analytical Methods to Certifiy Limits				
63-2, 3,4,5,7,8,9,10,11,12,13,14,	Color; Physical State; Odor; Melting point;	44320603	ZENECA AG PRODUCTS, INC.	OWN	
17 and 20	Density / relative density / bulk density; Solubility				
	Vapor Pressure; Dissociation constants in water;				
Signature  Billy Florid  PA Form 857 0-35 (9-67) Electronic	luines		Name and Title: Becky Rhodes  Regulatory Product Lea		Date: 5/15/2000

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		DATA MATRIX			
Date May 15, 2000	100 mg		EPA Reg No./File Symbol 10182-UGT		Page 2 of 51
Applicant's/Registrant's Name & Add	Zeneca Ag Products, Inc. Iress 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850		Product: GLYPHOSATE ACID TECHNIC	AL	
Ingredient: Glyphosate, N-(phosphor	nemethyl) glycine			THE PROPERTY OF	
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
63-2, 3,4,5,7,8,9,10,11,12,13,14,	Octanol /Water partition coefficient; pH; Stability;	44320603	ZENECA AG PRODUCTS, INC.	OWN	
17 and 20 cont.	Oxidizing / Reducing agent; Storage stability				
	Corrosion characteristics.				
71-1	Acute Avian Oral - Quail/Duck	108204	MONSANTO COMPANY	PER	
		43334709	700 Chesterfield Parkway North	PER	
		i	St. Louis, MO 63198		
74.0					
71-2	Avian Dietary - Quali	108107	MONSANTO COMPANY	PER	4
		43334710	MONSANTO COMPANY	PER	
Signature Bod Pl	Rolles nes		Name and Title: Becky Rhodes  Regulatory Product Le		Date: 5/15/200

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not send the form to this address.		DATA MATRIX	<del></del>		
2 4 4 4 5 0000		DATA MATRIA			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 3 of 51
Zeneca Ag Products, Inc.  Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458  Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phospho	nemethyl) glycine				
Suideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
1-2	Avian Dietary - Duck	76492	MONSANTO COMPANY	PER	
		4334711	MONSANTO COMPANY	PER	
1-3	Wild Mammal Toxicity	76492	MONSANTO COMPANY	PER	
					-
1-4	Avian Reproduction - Quail	108207	MONSANTO COMPANY	PER	
1-4	Avian Reproduction - Duck	36328	MONSANTO COMPANY	PER	
		111953	MQNSANTO COMPANY	PER	
Signature /	20		Name and Title: Becky Rhodes		Date: 5/15/2000
Dechy K	Charles nxs		Regulatory Product	Lead	

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 4 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
Ingredient: Glyphosate, N-(phospho	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-1	Fish Toxicity Bluegill	136339	MONSANTO COMPANY	PER	
		GS-0178025	"Published in Arch. Environm. Contam. Toxico."	PL	
72-1 Fish To	Fish Toxicity Rainbow Trout	108112	MONSANTO COMPANY	PER	
		108205	MONSANTO COMPANY	PER	
		43334713	MONSANTO COMPANY	PER	
		43334714	MONSANTO COMPANY	PER	
72-2	Invertebrate Toxicity	108172	MONSANTO COMPANY	PER	
		43334715	MONSANTO COMPANY	PER	
		43334716	MONSANTO COMPANY	PER	
			-		
Signature Beck, K	hodes n &B		Name and Title: Becky Rhodes Regulatory Product Lead		Date: 5/15/2000

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 5 of 51
Applicant's/Registrant's Name & Add	Zeneca Ag Products, Inc. 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850		Product: GLYPHOSATE ACID TECHNICA	L	1. 280 0 0 0
Ingredient: Glyphosate, N-(phospho	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-3	Estuarine / Marine Toxicity - Mollusk	108110	MONSANTO COMPANY	PER	
72-3	Estuarine / Marine Toxicity - Shrimp	108111	MONSANTO COMPANY	PER	
72-4	Life Cycle Invertebrate	124763	MONSANTO COMPANY	PER	
72-5	Life Cycle Fish	108171	MONSANTO COMPANY	PER	
72-6	Aquatic organism accumulation	41228301	MONSANTO COMPANY	PER	
		41228302	MONSANTO COMPANY	PER	
81-1	Acute oral toxicity in the Rat	44320604	ZENECA AG PRODUCTS, INC.	OWN	
Signature Becky A	Chodes NXB		Name and Title: Becky Rhodes  Regulatory Product Lea	d	Date: 5/15/2000

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 6 of 51
Applicant's/Registrant's Name & Ac	Zeneca Ag Products, Inc. Idress 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850		Product: GLYPHOSATE ACID TECHNIC	AL	,
Ingredient: Glyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
81-2	Acute Dermal Toxicity	44320605	ZENECA AG PRODUCTS, INC	OWN	
81-3	Acute Inhalation - Rat	44320606	ZENECA AG PRODUCTS, INC.	OWN	
81-4	Primary Eye Irritation to the Rabbit	44320607	ZENECA AG PRODUCTS, INC.	OWN	
81-5	Primary Dermal Irritation to the Rabbit	44320608	ZENECA AG PRODUCTS, INC.	OWN	
81-6	Dermal Sensitization	44320609	ZENECA AG PRODUCTS, INC.	OWN	
Signature			Name and Title: Becky Rhodes		Date: 5/15/200
Book	Rhodes nxB		Regulatory Product Le		Date: 3/13/200

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		DATA MATRIX	No. of Control of Cont		
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 7 of 51
Applicant's/Registrant's Name & Ad	Zeneca Ag Products, Inc. Idress 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850		Product: GLYPHOSATE ACID TECHN	IICAL	,
ingredient: Glyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
82-1	90- Day Feeding - Rodent	36803	MONSANTO COMPANY	PER	
		40559401	MONSANTO COMPANY	PER	
82-2	21- Day Dermal - Rabbit/Rat	98460	MONSANTO COMPANY	PER	
83-1	Chronic Feeding Toxicity - Rodent	98460	MONSANTO COMPANY	PER	
		93879	MONSANTO COMPANY	PER	
		150564	MONSANTO COMPANY	PER	
		153376	MONSANTO COMPANY	PER	
		41643801	MONSANTO COMPANY	PER	
		41728701	MONSANTO COMPANY	PER	
83-1	Chronic Feeding Toxicity - Non rodent	162912	MONSANTO COMPANY	PER	
•		41728701	MONSANTO COMPANY	PER	
		153374	MONSANTO COMPANY	PER	
Signature Bech	Rhodes nas		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000

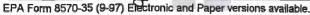
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Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNIC		
Ingredient: Glyphosate, N-(phospho	onemethyl) giycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
83-2	Oncogenicity - Rat	41728701	MONSANTO COMPANY	PER	
		41643801	MONSANTO COMPANY	PER	
		93879	MONSANTO COMPANY	PER	
83-2	Oncongenicity - Mouse	130406	MONSANTO COMPANY	PER	
		150564	MONSANTO COMPANY	PER	
		153376	MONSANTO COMPANY	PER	
83-3	Developmental Toxicity - Rat	46362	MONSANTO COMPANY	PER	
02.2	Developmental Taricia, Oatha	40200	MONOTO COMPANY	850	
83-3	Developmental Toxicity - Rabbit	46363	MONSANTO COMPANY	PER	
		43334704	MONSANTO COMPANY	PER	
		43334705	MQNSANTO COMPANY	PER	
Signature Bechy R	hodes nos		Name and Title: Becky Rhodes  Regulatory Product Le	ad	Date: 5/15/200





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	D	ATA MATRIX	NA SECTION AND ADDRESS OF THE PARTY OF THE P		
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 9 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
Ingredient: Glyphosate, N-(phosphone	emethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
83-4	2- Generation Reproduction - Rat	81674	MONSANTO COMPANY	PER	
		105995	MONSANTO COMPANY	PER	
		41621501	MONSANTO COMPANY	PER	
83-5	Chronic & Long-Term - Combined Toxicity/Oncogenicity	41643801	MONSANTO COMPANY	PER	
		417228701	MONSANTO COMPANY	PER	
84-2	Gene Mutation (Arnes Test)	78620	MONSANTO COMPANY	PER	
		132683	MONSANTO COMPANY	PER	
		43334707	MONSANTO COMPANY	PER	
84-2	Structural Chromosomal Aberration	46364	MONSANTO COMPANY	PER	
		132681	MONSANTO COMPANY	PER	
		132685	MONSANTO COMPANY	PER	
		43334708	MONSANTO COMPANY	PER	
М		43355801	MONSANTO COMPANY	PER	
Signature Bech /	Phodes NXB		Name and Title: Becky Rhodes  Regulatory Product Lead		Date: 5/15/200

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 10 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
Ingredient: Glyphosate, N-(phosphonem	ethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
84-4	Other Genotoxic Effects	78619	MONSANTO COMPANY	PER	
		132686	MONSANTO COMPANY	PER	
		132685	MONSANTO COMPANY	PER	
95-1	General Metabolism	40767101	MONSANTO COMPANY	PER	1
		40767102	MONSANTO COMPANY	PER	
122-1	Seed Germination / Seedling Emergence	40159301	MONSANTO COMPANY	PER	
		44125712	MONSANTO COMPANY	PER	
			,		
Signature Sech Rhode	e nys		Name and Title: Becky Rhodes  Regulatory Product Lead		Date: 5/15/2000

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		DATA MATRIX				
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 11 of 51	
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL			
ngredient: Glyphosate, N-(phospho	nemethyl) glycine					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
22-2	Aquatic Plant Growth	40236901	MONSANTO COMPANY	PER		
		40236902	MONSANTO COMPANY	PER		
		40236903	MONSANTO COMPANY	PER		
		40236904	MONSANTO COMPANY	PER		
		40236905	MONSANTO COMPANY	PER		
		44125713	MONSANTO COMPANY	PER		
		44125714	MONSANTO COMPANY	PER		
23-1	Tier II Germination / Seedling	43088701	MONSANTO COMPANY	PER		
	Emergence / Vegetative Vigor	44125715	MONSANTO COMPANY	PER		
		44320635	MONSANTO COMPANY	PER		
		45045101	MONSANTO COMPANY	PER		
Signature Becky	Rhodes nxB		Name and Title: Becky Rhodes  Regulatory Product Lead		Date: 5/15/2000	

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Date May 15, 2000		DATA MATRIA	EPA Reg No./File Symbol 10182-UGT		Page 12 of 51
Zeneca Ag Products, Inc.  Applicant's/Registrant's Name & Address  1800 Concord Pike P.O. Box 15458  Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		1 age 12 0/ 01
Ingredient: Glyphosate, N-(phosphon	emethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
123-2	Aquatic Plant Growth	40236901	MONSANTO COMPANY	PER	
		40236902	MONSANTO COMPANY	PER	
		40236903	MONSANTO COMPANY	PER	4
		40236904	MONSANTO COMPANY	PER	
		40236905	MONSANTO COMPANY	PER	
133-3	Dermal Exposure	41554901	MONSANTO COMPANY	PER	
		41554902	MONSANTO COMPANY	PER	
133-4	Inhalation Exposure	41554902	MONSANTO COMPANY	PER	
141-1	Honey Bee Acute Contact	26489	MONSANTO COMPANY	PER	
161-1	Hydrolysis	108192	MONSANTO COMPANY	PER	
		44715408	MQNSANTO COMPANY	PER	
Signature Becky RA	odes n x B		Name and Title: Becky Rhodes  Regulatory Product Lead		Date: 5/15/2000

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Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECH	NICAL	
Ingredient: Glyphosate, N-(phospho	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
161-2	Photodegradation - Water	41096102	MONSANTO COMPANY	PER	
		41689101	MONSANTO COMPANY	PER	
		44125716	MONSANTO COMPANY	PER	
161-3	Photodegradation - Soil	41335101	MONSANTO COMPANY	PER	
162-1	Aerobic Soil Metabolism	41742901	MONSANTO COMPANY	PER	
		42372501	MONSANTO COMPANY	PER	
		44125717	MONSANTO COMPANY	PER	
162-3	Anaerobic Aquatic Metabolism	108192	MONSANTO COMPANY	PER	
		41723701	MONSANTO COMPANY	PER	
		42372502	MQNSANTO COMPANY	PER	
Signature Beck A	Chocken n+3		Name and Title: Becky Rhodes Regulatory Product	t Lead	Date: 5/15/2000

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Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 14 of 51
Zeneca Ag Products, Inc.  Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNIC	CAL	
Ingredient: Glyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
162-3 cont.		44125718	MONSANTO COMPANY	PER	U. T.
		44621801	MONSANTO COMPANY	PER	
162-4	Aerobic Aquatic Metabolism	41723601	MONSANTO COMPANY	PER	
		42372503	MONSANTO COMPANY	PER	
163-1	Leaching / Adsorption / Desorption	108192	MONSANTO COMPANY	PER	
164-1	Terrestrial Field Dissipation	162910	MONSANTO COMPANY	PER	
		162922	MONSANTO COMPANY	PER	
		162923	MONSANTO COMPANY	PER	
		42607501	MQNSANTO COMPANY	PER	
Signature Becky R	hodes nxB		Name and Title: Becky Rhodes Regulatory Product L	ead	Date: 5/15/2000

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Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT	q	Page 15 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
164-1 cont.		41096103	MONSANTO COMPANY	PER	
		42765001	MONSANTO COMPANY	PER	
		42963401	MONSANTO COMPANY	PER	
		44125719	MONSANTO COMPANY	PER	-
		44422201	MONSANTO COMPANY	PER	
164-2	Aquatic Field Dissipation	40881601	MONSANTO COMPANY	PER	
		42383201	MONSANTO COMPANY	PER	
164-3	Forest Field Dissipation	41552801	MONSANTO COMPANY	PER	
164-5	Soil, Long - Term Dissipation	162922	MONSANTO COMPANY	PER	
Signature Becky (	Phode nas	'	Name and Title: Becky Rhodes  Regulatory Product Lead		Date: 5/15/2000

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ate May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 16 of 51
Zeneca Ag Products, Inc.  pplicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHN	HCAL	
gredient: Glyphosate, N-(phospho	nemethyl) glycine				
uideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
5-1	Confined Rotational Crop	42372504	MONSANTO COMPANY	PER	
		41543201	MONSANTO COMPANY	PER	
		41543202	MONSANTO COMPANY	PER	
5-3	Accumulation - Irrigated Crops	42372505	MONSANTO COMPANY	PER	
	Acoustication - migrated brokes	40541305	MONSANTO COMPANY	PER	
	Principal de la Fig.	4400004	HOMOMETO COMPANY	250	
5-4	Bioaccumulation in Fish	41228301	MONSANTO COMPANY	PER	
1-4 (a)	Plant Metabolism	38771	MONSANTO COMPANY	PER	
		39141	MONSANTO COMPANY	PER	
		51983	MONSANTO COMPANY	PER	
gnature Beck	Rhodes n +B		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000

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te May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 17 of 51
plicant's/Registrant's Name & Address	Zeneca Ag Products, Inc. 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850		Product: GLYPHOSATE ACID TECHNICAL		
redient: Glyphosate, N-(phosphoneme	ethyl) glycine				
ideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
-4 (a) cont.		65753	MONSANTO COMPANY	PER	
		108097	MONSANTO COMPANY	PER	
		108129	MONSANTO COMPANY	PER	
		108133	MONSANTO COMPANY	PER	
-		108140	MONSANTO COMPANY	PER	
		108151	MONSANTO COMPANY	PER	
		111945	MONSANTO COMPANY	PER	
		43330601	MONSANTO COMPANY	PER	
		43712701	MONSANTO COMPANY	PER	
		44279301	MONSANTO COMPANY	PER	
-4 (b)	Animal Metabolism	94971	MONSANTO COMPANY	PER	
	Applied to the second s	108098	MONSANTO COMPANY	PER	
		108099	MONSANTO COMPANY	PER	
		108100	MONSANTO COMPANY	PER	
Bechy R	hodes nxs	<u> </u>	Name and Title: Becky Rhodes  Regulatory Product Lead		Date: 5/15/2000
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Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
Ingredient: Glyphosate, N-(phospho	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (b) cont.		108101	MONSANTO COMPANY	PER	
		108116	MONSANTO COMPANY	PER	
		108200	MONSANTO COMPANY	PER	
		40541301	MONSANTO COMPANY	PER	
		40541302	MONSANTO COMPANY	PER	
		40541303	MONSANTO COMPANY	PER	
		40541304	MONSANTO COMPANY	PER	
171-4 (c) and (d)	Residue Analytical Methods	28853	MONSANTO COMPANY	PER	
		36222	MONSANTO COMPANY	PER	
		36223	MONSANTO COMPANY	PER	
		36231	MONSANTO COMPANY	PER	
		37688	MONSANTO COMPANY	PER	
		38770	MONSANTO COMPANY	PER	
		38979	MQNSANTO COMPANY	PER	
Signature Beck, R	hodes n to		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000

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Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHI	NICAL	
ngredient: Glyphosate, N-(phospho	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (c) and (d) cont.		44423	MONSANTO COMPANY	PER	1 2.5
		51982	MONSANTO COMPANY	PER	
	-1/	53002	MONSANTO COMPANY	PER	
		53005	MONSANTO COMPANY	PER	
		60108	MONSANTO COMPANY	PER	
		61559	MONSANTO COMPANY	PER	
		63714	MONSANTO COMPANY	PER	
		65751	MONSANTO COMPANY	PER	
		65752	MONSANTO COMPANY	PER	
		67425	MONSANTO COMPANY	PER	
		76805	MONSANTO COMPANY	PER	
		78823	MONSANTO COMPANY	PER	
		78824	MONSANTO COMPANY	PER	
		108133	MONSANTO COMPANY	PER	
		108144	MQNSANTO COMPANY	PER	
Signature Seely RI	hodea nos		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000

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Applicant's/Registrant's Name & Add	Zeneca Ag Products, dress 1800 Concord Pik P.O. Box 15458 Wilmington, DE 198	e .	Product: GLYPHOSATE ACID TECHNI	CAL	7, 4,
Ingredient: Glyphosate, N-(phospho	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (c) and (d) cont.		108149	MONSANTO COMPANY	PER	
		108151	MONSANTO COMPANY	PER	
		108175	MONSANTO COMPANY	PER	
		108176	MONSANTO COMPANY	PER	
		108186	MONSANTO COMPANY	PER	
		108231	MONSANTO COMPANY	PER	
		111945	MONSANTO COMPANY	PER	
		111949	MONSANTO COMPANY	PER	
		122715	MONSANTO COMPANY	PER	
		159419	MONSANTO COMPANY	PER	
		164729	MONSANTO COMPANY	PER	
		40502601	MONSANTO COMPANY	PER	
		40541304	MONSANTO COMPANY	PER	
		40541305	MONSANTO COMPANY	PER	
		42312803	MONSANTO COMPANY	PER	
Signature Bech R	hodes nxB		Name and Title: Becky Rhodes Regulatory Product L	ead	Date: 5/15/200

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Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phospho	onemethyl) glycine				
Suideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-4 (c) and (d) cont.		108149	MONSANTO COMPANY	PER	
		108151	MONSANTO COMPANY	PER	
		108175	MONSANTO COMPANY	PER	
		108176	MONSANTO COMPANY	PER	
		108186	MONSANTO COMPANY	PER	
		108231	MONSANTO COMPANY	PER	
		111945	MONSANTO COMPANY	PER	
		111949	MONSANTO COMPANY	PER	
		122715	MONSANTO COMPANY	PER	
		159419	MONSANTO COMPANY	PER	
		164729	MONSANTO COMPANY	PER	
		40502601	MONSANTO COMPANY	PER	
		40502605	MONSANTO COMPANY	PER	
		40541303	MONSANTO COMPANY	PER	
		40541304	MONSANTO COMPANY	PER	
Sech Becky	Rhodes nxB		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000

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Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-4 (c) and (d) cont.		40541305	MONSANTO COMPANY	PER	
		42312804	MONSANTO COMPANY	PER	
		43260401	MONSANTO COMPANY	PER	
		43260402	MONSANTO COMPANY	PER	
		43260403	MONSANTO COMPANY	PER	
		43315701	MONSANTO COMPANY	PER	
		43315702	MONSANTO COMPANY	PER	
		43315703	MONSANTO COMPANY	PER	
		43342001	MONSANTO COMPANY	PER	
		43342002	MONSANTO COMPANY	PER	
		43571801	MONSANTO COMPANY	PER	
		43655701	MONSANTO COMPANY	PER	
		43655702	MONSANTO COMPANY	PER	
		43712702	MONSANTO COMPANY	PER	
		43807201	MONSANTO COMPANY	PER	
ignature Becky, A	hodes n + B		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT	and the same	Page 23 of 51
Applicant's/Registrant's Name & Addre	Zeneca Ag Products, Inc. 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850		Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phosphone	methyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-4 (c) and (d) cont.		43807202	MONSANTO COMPANY	PER	
		43807203	MONSANTO COMPANY	PER	
		43824301	MONSANTO COMPANY	PER	
		43824302	MONSANTO COMPANY	PER	
		43827801	MONSANTO COMPANY	PER	
		43827802	MONSANTO COMPANY	PER	
		43845401	MONSANTO COMPANY	PER	
		43870201	MONSANTO COMPANY	PER	
		43870202	MONSANTO COMPANY	PER	
		43845401	MONSANTO COMPANY	PER	
		43870203	MONSANTO COMPANY	PER	
		43870204	MONSANTO COMPANY	PER	
		43906101	MONSANTO COMPANY	PER	
		44279301	MONSANTO COMPANY	PER	1.1.
		44331601	MONSANTO COMPANY	PER	
Signature Bell Rh	odes NXA		Name and Title: Becky Rhodes  Regulatory Product Lead		Date: 5/15/2000

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THE SAME		DATA MATRIX	and the same of th		
Date May 15, 2000	Mary .		EPA Reg No./File Symbol 10182-UGT		Page 24 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
Ingredient: Glyphosate, N-(phospho	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (c) and (d) cont.		44331602	MONSANTO COMPANY	PER	
	414	44331603	MONSANTO COMPANY	PER	
		44407501	INTERREGIONAL RESEARCH Project No. 4	PL	
		44528801	MONSANTO COMPANY	PER	
		44528802	MONSANTO COMPANY	PER	
		44528803	MONSANTO COMPANY	PER	
		44528804	MONSANTO COMPANY	PER	
		44531301	MONSANTO COMPANY	PER	
		44541201	MONSANTO COMPANY	PER	
		44646601	MONSANTO COMPANY	PER	
		44837501	MONSANTO COMPANY	PER	1
1000		44837502	MONSANTO COMPANY	PER	
		45066901	MONSANTO COMPANY	PER	
		45077401	MONSANTO COMPANY	PER	
		45077402	MONSANTO COMPANY	PER	
Signature Beck t	Thodas now		Name and Title: Becky Rhodes  Regulatory Product Lead		Date: 5/15/2000

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 25 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850		Product: GLYPHOSATE ACID TECHNICAL			
ngredient: Glyphosate, N-(phosphonem	ethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (c) and (d) cont.		156793	INTERREGIONAL RESEARCH Project No. 4	PL	
		40159401	MONSANTO COMPANY	PER	
		40532001	MONSANTO COMPANY	PER	
		40532002	MONSANTO COMPANY	PER	
		40532003	MONSANTO COMPANY	PER	
		40532004	MONSANTO COMPANY	PER	
		41472001	MONSANTO COMPANY	PER	
		41472002	MONSANTO COMPANY	PER	
		41478101	MONSANTO COMPANY	PER	
		41573501	MONSANTO COMPANY	PER	
		41940701	MONSANTO COMPANY	PER	L. L.
		41947002	MONSANTO COMPANY	PER	
		41947003	MONSANTO COMPANY	PER	4
		41947004	MONSANTO COMPANY	PER	
		41947005	MONSANTO COMPANY	PER	
Sech Rh	odes nos		Name and Title: Becky Rhodes Regulatory Product Lead		Date: 5/15/2000

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 26 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		, , ,
ngredient: Glyphosate, N-(phospho	nemethyl) glycine				
Suideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
74-1 (c) and (d) cont.		40502602	MONSANTO COMPANY	PER	
		40502603	MONSANTO COMPANY	PER	
		40502604	MONSANTO COMPANY	PER	
Washington and the second		40785301	MONSANTO COMPANY	PER	
		40785302	MONSANTO COMPANY	PER	
		40785303	MONSANTO COMPANY	PER	
		41484301	MONSANTO COMPANY	PER	
		42155301	MONSANTO COMPANY	PER	
		42155302	MONSANTO COMPANY	PER	
		42765002	MONSANTO COMPANY	PER	
		43077001	MONSANTO COMPANY	PER	
		43927401	MONSANTO COMPANY	PER	
		43927402	MONSANTO COMPANY	PER	
			MONSANTO COMPANY	PER	
Sect.	Rhodes n+B	1	Name and Title: Becky Rhodes Regulatory Produc	t Lead	Date: 5/15/2000

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		DATA MATRIX			-
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 27 of 51
Applicant's/Registrant's Name & Addr	Zeneca Ag Products, Inc.  1800 Concord Pike P.O. Box 15458  Wilmington, DE 19850		Product: GLYPHOSATE ACID TECHN	IICAL	
ngredient: Glyphosate, N-(phosphone	emethyl) glycine				
Suideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
174-1 (c) and (d) cont.		41947006	MONSANTO COMPANY	PER	
171-4 (e)	Storage Stability	39142	MONSANTO COMPANY	PER	
		40083	MONSANTO COMPANY	PER	
		51980	MONSANTO COMPANY	PER	
		53002	MONSANTO COMPANY	PER	
		61553	MONSANTO COMPANY	PER	
		61555	MONSANTO COMPANY	PER	
		108129	MONSANTO COMPANY	PER	
		108132	MONSANTO COMPANY	PER	
		40502605	MONSANTO COMPANY	PER	
		40532004	MONSANTO COMPANY	PER	
		41940701	MONSANTO COMPANY	PER	
		41472002	MONSANTO COMPANY	PER	
		41573501	MONSANTO COMPANY	PER	
		41940701			
Signature Bech_R	hodes nxs		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000

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		DATA MATRIX	14/45/44		
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 28 of 51
Applicant's/Registrant's Name & Ad	Zeneca Ag Products, Inc. Idress 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850		Product: GLYPHOSATE ACID TECHN	ICAL	
ngredient: Glyphosate, N-(phospho	onemethyl) glycine				
Buideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-4 (k) (l)	Magnitude of the Residue in Plants				
	Root and Tuber Vegetables Group				
	- Beets, garden	108159	MONSANTO COMPANY	PER	1
	- Carrots	108159	MONSANTO COMPANY	PER	
	- Potatoes	39381	MONSANTO COMPANY	PER	
		108151	MONSANTO COMPANY	PER	
		40785302	MONSANTO COMPANY	PER	
		41947002	MONSANTO COMPANY	PER	
		43906101	MONSANTO COMPANY	PER	
		41947001	MONSANTO COMPANY	PER	
	- Radish	108159	MONSANTO COMPANY	PER	
	- Sugar beets	40785304	MONSANTO COMPANY	PER	
		43315703	MONSANTO COMPANY	PER	
		39381	MONSANTO COMPANY	PER	
		108151	MONSANTO COMPANY	PER	
Signature Rech. R	hodes nxs		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000

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		DATA MATRIX		-	
Date May 15, 2000		(54)	EPA Reg No./File Symbol 10182-UGT		Page 29 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phospho	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (k) (l) cont.	- Sweet Potatoe	108151	MONSANTO COMPANY	PER	
	- Turnips	40835201	INTERREGIONAL RESEARCH Project No. 4	PL	
	Magnitued of the Residue in Plants				
	Leaves of Root and Tuber Vegetables Group				
	- Sugar beet tops	39381	MONSANTO COMPANY	PER	
		108151	MONSANTO COMPANY	PER	
		108159	MONSANTO COMPANY	PER	
	- Turnip tops	40835201	INTERREGIONAL RESEARCH Project No. 4	PL	
	Bulb Vegetables Group				
	- Onions (green and dry bulb)	40783101	INTERREGIONAL RESEARCH Project No. 4	PL	
	Leafy Vegetables (except Brassica Group)				
	- Lettuce (head and leaf)	108159	MONSANTO COMPANY	PER	
Signature Bock Rhod	les n+B		Name and Title: Becky Rhodes  Regulatory Product Lead		Date: 5/15/2000

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Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phosphor	nemethyl) glycine				
Suideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-4 (k) and (l) cont.	Brassica Leafy Vegetables Group				
	- Broccoli	40802801	INTERREGIONAL RESEARCH Project No. 4	PL	
	- Cabbage	108159	MONSANTO COMPANY	PER	
	- Mustard Greens	40802801	INTERREGIONAL RESEARCH Project No. 4	PL	
		40802802	INTERREGIONAL RESEARCH Project No. 4	PL	
	Legume Vegetables (Succulent/Dried) Group				
	- Beans (succulent/dried)	108159	MONSANTO COMPANY	PER	
		44837501	MONSANTO COMPANY	PER	-
		44837502	MONSANTO COMPANY	PER	14
	- Lentils	108159	MONSANTO COMPANY	PER	
	- Peas (Succulent/Dried)	108159	MONSANTO COMPANY	PER	
		43807201	MONSANTO COMPANY	PER	-
		42312804	MONSANTO COMPANY	PER	
	- Soybeans	123953	MONSANTO COMPANY	PER	
		84936	MONSANTO COMPANY	PER	
ignature Becky Rhow	les n + B		Name and Title: Becky Rhodes  Regulatory Product Lead		Date: 5/15/2000

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Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 31 of 51
Zeneca Ag Products, Inc.  Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458  Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phospho	nemethyl) glycine				
Suideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-4 (k) and (l) cont.	- Soybeans cont.	24503	MONSANTO COMPANY	PER	
		33954	MONSANTO COMPANY	PER	
		38908	MONSANTO COMPANY	PER	
		40084	MONSANTO COMPANY	PER	
		61555	MONSANTO COMPANY	PER	
		108153	MONSANTO COMPANY	PER	
		108203	MONSANTO COMPANY	PER	de
		43260401	MONSANTO COMPANY	PER	
		43260402	MONSANTO COMPANY	PER	
		43260403	MONSANTO COMPANY	PER	7
	- (processed commodities)	61555	MONSANTO COMPANY	PER	
		108153	MONSANTO COMPANY	PER	
		156793	MONSANTO COMPANY	PER	
ignature Bock Rho	les nxB		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000

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Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (k) and (l)	Foliage of Legume Vegetables				
	(Succulent/Dried) Group		MONSANTO COMPANY	PER	
	- Bean vines and hay	108159	MONSANTO COMPANY	PER	
	- Lentil forage and hay	108159	MONSANTO COMPANY	PER	
	- Soybean forage and hay	123593	MONSANTO COMPANY	PER	
		84936	MONSANTO COMPANY	PER	
		156793	MONSANTO COMPANY	PER	
		33954	MONSANTO COMPANY	PER	
		38908	MONSANTO COMPANY	PER	
		40084	MONSANTO COMPANY	PER	
		61555	MONSANTO COMPANY	PER	
		108153	MONSANTO COMPANY	PER	
		108203	MONSANTO COMPANY	PER	
Signature Bala R	hodes nxs	L	Name and Title: Becky Rhodes  Regulatory Product Lead		Date: 5/15/2000

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Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 33 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
Ingredient: Glyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (k) and (l)	Citrus Fruits Group (process commodities)	39142	MONSANTO COMPANY	PER	
		40159401	MONSANTO COMPANY	PER	
		44496	MONSANTO COMPANY	PER	
	Pome Fruits Group	108129	MONSANTO COMPANY	PER	
		108186	MONSANTO COMPANY	PER	
	Stone Fruits Group	111949	MONSANTO COMPANY	PER	
	- Plums (fresh prunes)	111949	MONSANTO COMPANY	PER	
		40785301	MONSANTO COMPANY	PER	
		43315701	MONSANTO COMPANY	PER	
	Small Fruits and Berries Group				
	- Cranberries	40779101	MONSANTO COMPANY	PER	
		53002	MONSANTO COMPANY	PER	
	- Grapes	38770	MONSANTO COMPANY	PER	
Signature Beck R	hodes not B		Name and Title: Becky Rhodes Regulatory Product L	ead	Date: 5/15/2000

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	w1:-	DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 34 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHN	ICAL	
ngredient: Glyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (k) and (l)	- Grapes cont.	108132	MONSANTO COMPANY	PER	
	(processed commodities)	40785303	MONSANTO COMPANY	PER	
		43315702	MONSANTO COMPANY	PER	
	Tree Nuts Group	111945	MONSANTO COMPANY	PER	100
	- Almond Halls	111945	MONSANTO COMPANY	PER	
		42155301	MONSANTO COMPANY	PER	
		42155302	MONSANTO COMPANY	PER	
	Cereal Grains Group				
	- Barley	38908	MONSANTO COMPANY	PER	
		40087	MONSANTO COMPANY	PER	
		44422	MONSANTO COMPANY	PER	
		108203	MONSANTO COMPANY	PER	
		42312801	MONSANTO COMPANY	PER	
Signature Becky R	hodes nes		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 35 of 51
Zeneca Äg Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (k) and (l)	- Barley cont.	42312802	MONSANTO COMPANY	PER	
		43807202	MONSANTO COMPANY	PER	
		43827802	MONSANTO COMPANY	PER	
		43845401	MONSANTO COMPANY	PER	
	- Com (field and fresh)	23268	MONSANTO COMPANY	PER	
		23336	MONSANTO COMPANY	PER	
		37687	MONSANTO COMPANY	PER	
		38908	MONSANTO COMPANY	PER	
		40085	MONSANTO COMPANY	PER	-
		48284	MONSANTO COMPANY	PER	
		49054	MONSANTO COMPANY	PER	
		108203	MONSANTO COMPANY	PER	
		123953	MONSANTO COMPANY	PER	
		130807	MONSANTO COMPANY	PER	
Signature Beel R	Chodes M&B		Name and Title: Becky Rhodes  Regulatory Product	Lead	Date: 5/15/2000

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT	-	Page 36 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-4 (k) and (l)	- Corn cont.	40502602	MONSANTO COMPANY	PER	
		43655701	MONSANTO COMPANY	PER	
		43712702	MONSANTO COMPANY	PER	
		44531301	MONSANTO COMPANY	PER	
		45066901	MONSANTO COMPANY	PER	
	(processed commodities)	40502604	MONSANTO COMPANY	PER	
		41478101	MONSANTO COMPANY	PER	
		43655702	MONSANTO COMPANY	PER	
	- Oats	38908	MONSANTO COMPANY	PER	
	(4.5)	40087	MONSANTO COMPANY	PER	
		44422	MONSANTO COMPANY	PER	
		108203	MONSANTO COMPANY	PER	
		43870201	MONSANTO COMPANY	PER	
ignature Beck RV	rodes nos		Name and Title: Becky Rhodes Regulatory Product Lead		Date: 5/15/2000

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 37 of 51
Zeneca Ag Products, Inc.  Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458  Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phospho	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-4 (k) and (l)	- Oats cont.	43870202	MONSANTO COMPANY	PER	
		43870203	MONSANTO COMPANY	PER	
		43870204	MONSANTO COMPANY	PER	
		43927401	MONSANTO COMPANY	PER	
		43297402	MONSANTO COMPANY	PER	
	- Rice	38908	MONSANTO COMPANY	PER	
· ·		40087	MONSANTO COMPANY	PER	
		44422	MONSANTO COMPANY	PER	
	- Sorghum	38908	MONSANTO COMPANY	PER	
		40087	MONSANTO COMPANY	PER	
		44422	MONSANTO COMPANY	PER	
		108203	MONSANTO COMPANY	PER	
		109271	MONSANTO COMPANY	PER	
Signature Bock &	Chodea MXB		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 38 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phospho	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-4 (k) and (l)	- Sorghum cont.	40502601	MONSANTO COMPANY	PER	
-		103375	MONSANTO COMPANY	PER	
		130807	MONSANTO COMPANY	PER	
		144722	MONSANTO COMPANY	PER	
		43342001	MONSANTO COMPANY	PER	
		44646601	MONSANTO COMPANY	PER	
	(processed commodities)	40502603	MONSANTO COMPANY	PER	
		41 472001	MONSANTO COMPANY	PER	
		43342002	MONSANTO COMPANY	PER	
	- Wheat	38908	MONSANTO COMPANY	PER	
		40086	MONSANTO COMPANY	PER	
		44426	MONSANTO COMPANY	PER	
		108203	MONSANTO COMPANY	PER	
Signature Beehn R	hodes nos		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 39 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		1. 13000
Ingredient: Glyphosate, N-(phospho	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (k) and (l)	- Wheat	122715	MONSANTO COMPANY	PER	
		41484301	MONSANTO COMPANY	PER	Total Control
	CARLES GARAGE	123953	MONSANTO COMPANY	PER	
•		150835	MONSANTO COMPANY	PER	
	(processed commodities)	150835	MONSANTO COMPANY	PER	
	Forage, Fodder and Straw of Cereal Grains Group				
_	- Barley forage, hay and straw	38908	MONSANTO COMPANY	PER	
		40087	MONSANTO COMPANY	PER	
		44422	MONSANTO COMPANY	PER	
		108203	MONSANTO COMPANY	PER	
	- Corn forage and fodder	23336	MONSANTO COMPANY	PER	
		37687	MONSANTO COMPANY	PER	
Signature Beel R	hodes nos		Name and Title: Becky Rhodes Regulatory Product		Date: 5/15/200

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		DATA MATRIX			
Date May 15, 2000		DATAMATTIA	EPA Reg No./File Symbol 10182-UGT		Page 40 of 51
Zeneca Ag Products, Inc.  Applicant's/Registrant's Name & Address  1800 Concord Pike P.O. Box 15458  Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phospho	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (k) and (l)	- Corn forage and fodder cont.	38908	MONSANTO COMPANY	PER	
		40085	MONSANTO COMPANY	PER	
		48284	MONSANTO COMPANY	PER	
		108203	MONSANTO COMPANY	PER	
		40502602	MONSANTO COMPANY	PER	
		43712702	MONSANTO COMPANY	PER	
		123953	MONSANTO COMPANY	PER	
		49054	MONSANTO COMPANY	PER	
		23268	MONSANTO COMPANY	PER	
		130807	MONSANTO COMPANY	PER	
		45066901	MONSANTO COMPANY	PER	
		43655701	MONSANTO COMPANY	PER	
	- Oat forage, hay and straw	38908	MONSANTO COMPANY	PER	
		40087	MONSANTO COMPANY	PER	
Signature Bek. R	odes NJB		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 41 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
Ingredient: Glyphosate, N-(phosphonem	ethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	- Oat forage, hay and straw cont.	44422	MONSANTO COMPANY	PER	
		108203	MONSANTO COMPANY	PER	
	- Rice Straw	38908	MONSANTO COMPANY	PER	
		40087	MONSANTO COMPANY	PER	
		44422	MONSANTO COMPANY	PER	
	- Sorghum forage and fodder	38908	MONSANTO COMPANY	PER	
		40087	MONSANTO COMPANY	PER	
		44422	MONSANTO COMPANY	PER	
		108203	MONSANTO COMPANY	PER	
		109271	MONSANTO COMPANY	PER	
		40502601	MONSANTO COMPANY	PER	
		103375	MONSANTO COMPANY	PER	
		130807	MONSANTO COMPANY	PER	
Signature Boch Rh	rdes nxs		Name and Title: Becky Rhodes  Regulatory Product Lead		Date: 5/15/2000

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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 42 of 51
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHI	NICAL	
Ingredient: Glyphosate, N-(phospho	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (k) and (l)	- Sorghum forage and fodder	144722	MONSANTO COMPANY	PER	
	- Wheat forage and straw	38908	MONSANTO COMPANY	PER	
		40086	MONSANTO COMPANY	PER	
		44426	MONSANTO COMPANY	PER	
		108203	MONSANTO COMPANY	PER	
		122715	MONSANTO COMPANY	PER	
		123953	MONSANTO COMPANY	PER	
		150835	MONSANTO COMPANY	PER	
		41 484301	MONSANTO COMPANY	PER	
	- Grass Forage, fodder and hay	76805	MONSANTO COMPANY	PER	
		108147	MONSANTO COMPANY	PER	
		53004	MONSANTO COMPANY	PER	
Signature Becky R	hodes nos		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000

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		DATA MATRIX			
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Date May 15, 2000  Zeneca Ag Products, Inc.  Applicant's/Registrant's Name & Address  1800 Concord Pike P.O. Box 15458  Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phospho	nemethyl) glycine				
Suideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-4 (k) and (l)	- Non-grass Animal Feeds (forage, fodder, straw and	76805	MONSANTO COMPANY	PER	
	hay) Group	108147	MONSANTO COMPANY	PER	
	- Alfalfa seed	40541304	MONSANTO COMPANY	PER	
		108133	MONSANTO COMPANY	PER	
		53004	MONSANTO COMPANY	PER	
		43077001	MONSANTO COMPANY	PER	
	Miscellaneous Commodities				
	- Asparagus	108144	MONSANTO COMPANY	PER	
		40642401	INTERREGIONAL RESEARCH Project No. 4	PL	
	- Avocados	108149	MONSANTO COMPANY	PER	
		1108164	MONSANTO COMPANY	PER	
	- Bananas	108175	MONSANTO COMPANY	PER	
Signature Bealy Rhodes nxx			Name and Title: Becky Rhodes Regulatory Product Lead		Date: 5/15/2000



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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 44 of 51
Applicant's/Registrant's Name & Ad	Zeneca Ag Products, Inc. dress 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850		Product: GLYPHOSATE ACID TECHNI	CAL	, ,
ngredient: Glyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-4 (k) and (l)	- Breadfruit	40149401	MONSANTO COMPANY	PER	
		41049401	MONSANTO COMPANY	PER	
		V	MONSANTO COMPANY	PER	
	- Canistel	40149401	MONSANTO COMPANY	PER	
		41049401	MONSANTO COMPANY	PER	
	- Canola	42312803	MONSANTO COMPANY	PER	
		43807203	MONSANTO COMPANY	PER	
_		44528801	MONSANTO COMPANY	PER	
		44528802	MONSANTO COMPANY	PER	
		44528803	MONSANTO COMPANY	PER	
		44528804	MONSANTO COMPANY	PER	
		43827801	MONSANTO COMPANY	PER	
Signature Sech /	Chodes n 7 A		Name and Title: Becky Rhodes Regulatory Product I	.ead	Date: 5/15/2000



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		DATA MATRIX				
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Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL			
ngredient: Glyphosate, N-(phospho	onemethyl) glycine					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
171-4 (k) and (l)	- Coffee Beans	51980	MONSANTO COMPANY	PER		
		51981	MONSANTO COMPANY	PER		
	- Cotton	60103	MONSANTO COMPANY	PER		
		61553	MONSANTO COMPANY	PER		
		108176	MONSANTO COMPANY	PER		
		108153	MONSANTO COMPANY	PER	3	
		108203	MONSANTO COMPANY	PER		
-		43571801	MONSANTO COMPANY	PER		
	- (processed commodities)	61555	MONSANTO COMPANY	PER		
		108176	MONSANTO COMPANY	PER		
		108153	MONSANTO COMPANY	PER		
		123953	MONSANTO COMPANY	PER		
		108163	MQNSANTO COMPANY	PER	1 10	
Signature Beely	Rhodes nxa		Name and Title: Becky Rhodes Regulatory Product Lead		Date: 5/15/2000	



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		DATA MATRIX			
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Zeneca Ag Products, Inc.  Applicant's/Registrant's Name & Address  1800 Concord Pike P.O. Box 15458  Wilmington, DE 1985D			Product: GLYPHOSATE ACID TECHNICAL		1. 350 10 41 41
Ingredient: Glyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (k) and (l)	- Dates	40149401	INTERREGIONAL RESEARCH Project No. 4	PL	
		41049401	INTERREGIONAL RESEARCH Project No. 4	PL.	
	- Guavas	59050	INTERREGIONAL RESEARCH Project No. 4	PL	
	- Jaboticaba	40149401	INTERREGIONAL RESEARCH Project No. 4	PL	
		41049401	INTERREGIONAL RESEARCH Project No. 4	PL	
	- Jackfruit	40149401	INTERREGIONAL RESEARCH Project No. 4	PL	
		41049401	INTERREGIONAL RESEARCH Project No. 4	PL	
	- Mangoes	40580401	INTERREGIONAL RESEARCH Project No. 4	PL	
	- Olives	108175	MONSANTO COMPANY	PER	
		42398401	MQNSANTO COMPANY	PER	
Signature Beeky	Rhodes nxo		Name and Title: Becky Rhodes Regulatory Product Lead		Date: 5/15/2000



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Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNIC		
ngredient: Glyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-4 (k) and (l)	(processed commodities)	108175	MONSANTO COMPANY	PER	
		42398401	MONSANTO COMPANY	PER	
<del>-</del>	- Papayas	63713	MONSANTO COMPANY	PER	
				PER	
	- Peanuts	144341	MONSANTO COMPANY	PER	10
		28852	MONSANTO COMPANY	PER	
	- (proceesed commodities)	144341	MONSANTO COMPANY	PER	
		28856	MONSANTO COMPANY	PER	
		40750702	MONSANTO COMPANY	PER	
	- Persimmons	40149401	MONSANTO COMPANY	PER	
25	hy Rhodes nxs		Name and Title: Becky Rhodes Regulatory Product Le	ad	Date: 5/15/2000



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		DATA MATRIX			
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Zeneca Ag Products, Inc.  Applicant's/Registrant's Name & Address  1800 Concord Pike P.O. Box 15458  Wilmington, DE 19850		Zeneca Ag Products, Inc.  1800 Concord Pike Product: GLYPHOSATE ACID TECHNICAL P.O. Box 15458			
ngredient: Glyphosate, N-(phospho	nemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-4 (k) and (l)	- Pineapple	43824301	INTERREGIONAL RESEARCH Project No. 4	PL	
		43824302	INTERREGIONAL RESEARCH Project No. 4	PL	
	- Pistachio	111945	MONSANTO COMPANY	PER	
	- Sapote (black and white)	40149401	INTERREGIONAL RESEARCH Project No. 4	PL	
		41049401	INTERREGIONAL RESEARCH Project No. 4	PL	
	- Soursop	40149401	INTERREGIONAL RESEARCH Project No. 4	PL	
		41049401	INTERREGIONAL RESEARCH Project No. 4	PL	
	- Sugarcane	108140	MONSANTO COMPANY	PER	
	- (processed commodities)	108168	MONSANTO COMPANY	PER	
		61558	MQNSANTO COMPANY	PER	
Signature (Sec	hy Rhodes nxs		Name and Title: Becky Rhodes  Regulatory Product Lead		Date: 5/15/2000



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		DATA MATRIX			
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Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850			Product: GLYPHOSATE ACID TECHNICAL		
ngredient: Glyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-4 (k) and (l)	- (processed commodities) cont.	136876	MONSANTO COMPANY	PER	
		78823	MONSANTO COMPANY	PER	
	- Tamarind	40149401	MONSANTO COMPANY	PER	
	- Tea	78823	MONSANTO COMPANY	PER	
		78824	MONSANTO COMPANY	PER	
71-4 (h)	Magnitude of the Residue in Plants Resulting from	39381	MONSANTO COMPANY	PER	
	the Use of Irrigation Water	40541305	MONSANTO COMPANY	PER	
71-4 (j)	Magnitude of the Residue in Meat, Milk, Poultry and	108115	MONSANTO COMPANY	PER	
	Eggs	40532001	MONSANTO COMPANY	PER	
		40532002	MONSANTO COMPANY	PER	
		40532003	MQNSANTO COMPANY	PER	
Signature Beck	Rhodes now		Name and Title: Becky Rhodes Regulatory Product Lead		Date: 5/15/2000



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		DATA MATRIX			
Date May 15, 2000			EPA Reg No./File Symbol 10182-UGT		Page 50 of 51
Applicant's/Registrant's Name & Ad	Zeneca Ag Products, Inc. Idress 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850		Product: GLYPHOSATE ACID TECHN	lical	, ,
Ingredient: Giyphosate, N-(phospho	onemethyl) glycine				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4 (j) cont.		40532004	MONSANTO COMPANY	PER	
171-4 (g)	Magnitude of the Residue in Fish	36229	MONSANTO COMPANY	PER	
		76491	MONSANTO COMPANY	PER	
		154311	MONSANTO COMPANY	PER	
		155120	MONSANTO COMPANY	PER	
		108173	MONSANTO COMPANY	PER	
		94971	MONSANTO COMPANY	PER	
		41228301	MONSANTO COMPANY	PER	3
		41228302	MONSANTO COMPANY	PER	
		132170	MONSANTO COMPANY	PER	
		128690	MONSANTO COMPANY	PER	
Signature Sech	Rhodes nos		Name and Title: Becky Rhodes Regulatory Product	Lead	Date: 5/15/2000



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	1	DATA MATRIX				
Date May 15, 2000		DATA MATRIX	EPA Reg No./File Symbol 10182-UGT	_	Page 51 of 51	
Zeneca Ag Products, Inc. Applicant's/Registrant's Name & Address 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850		Zeneca Ag Products, Inc. 1800 Concord Pike P.O. Box 15458		Product: GLYPHOSATE ACID TECHNICAL		
Ingredient: Glyphosate, N-(phospho	nemethyl) glycine				•	
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
171-4 (f)	Nature and Magnitude of the Residue in Drinking and	39377	MONSANTO COMPANY	PER		
	Irrigation Water	39381	PUBLIC DOCUMENT 1	PL		
		36224	MONSANTO COMPANY	PER		
		77238	MONSANTO COMPANY	PER		
		77301	MONSANTO COMPANY	PER		
		108173	MONSANTO COMPANY	PER		
201-1	Droplet size spectrum		ZENECA is a member of the Spray Drift Task			
			Force			
202-1	Drift field evaluation		ZENECA is a member of the Spray Drift Task			
			Force			
Signature Beck, Rhodes notes			Name and Title: Becky Rhodes  Regulatory Product Lead	Date: 5/15/2000		





MONSANTO COMPANY 600 13th STREET, N.W. Suite 660 Washington, D.C. 20005 Tel.: (202) 783-2460

Fax: (202) 783-2468

May 10, 2000

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# **Hand Delivered**

Office of Pesticide Programs
Document Processing Center
U. S. Environmental Protection Agency
Room 266A, Crystal Mall #2
1921 Jefferson Davis Highway
Arlington, VA 22202

Attention:

Mr. James A. Tompkins (7505C)

Team Leader (25)

Subject:

Letter of Authorization to Refer to Glyphosate Data

Zeneca Ag products Inc.

Dear Mr. Tompkins:

Monsanto Co. hereby grants Zeneca Ag products Inc. (Zeneca) authorization to cite any applicable Monsanto owned registration data, including safety and efficacy data, pertaining to Glyphosate, Glyphosate Technical, Glyphosate Isopropylamine Salt, or . \* : \* Glyphosate Arnmonium Salt in the files of the US Environmental Protection Agency as of 15-April-2000 for the uses described below.

This authorization is granted to allow Zeneca to support EPA registration of Zeneca pesticides containing glyphosate, or any salt or ester or other derivative of glyphosate, for use on or over the top of Monsanto Roundup Ready® soybeans, com, or cotton crops, for use on or over the top of glyphosate tolerant crops other than the named Monsanto Roundup Ready crops; and for any and all conventional (ie non-glyphosate tolerant) crop and non-crop uses. However, this authorization specifically excludes the right to refer to Monsanto glyphosate data to support the registration of Zeneca pesticides for use by non-

Mr. Tompkins Page 2 10-May-00

professional applicators in connection with vegetation control in, on, or around homes, residential lawns, and residential gardens. This authorization includes the right to refer to Monsanto's glyphosate product specific product chemistry or product specific acute toxicology data for Glyphosate (EPA Reg. No. 524-420), Glyphosate Technical (524-421), MON 0139 62% Technical Solution (524-333), and MON 8750 (524-427) to support registration of Zeneca's manufacturing use products as defined in 40 CFR Section 158.153 (h) but <u>not</u> to support registration of Zeneca's end-use products as defined in 40 CFR 152.3(k).

This authorization is solely for the citation of data and does not authorize EPA to release copies of the information to Zeneca or any other party nor to allow these parties to inspect the studies. Zeneca has no ownership interest whatsoever in any of these Monsanto glyphosate data.

If you have any questions on this matter please feel free to contact me through Dr. Russell P. Schneider (202-383-2866) or by direct phone (314-694-1582), fax (314-694-4028), or electronic mail at stephen.j.wratten@monsanto.com.

Sincerely,

Stephen J. Wratten Manager, Registrations

cc:

R. P. Schneider

Zeneca

L. Evetts

Zeneca Authorization.doc

### GLYPHOSATE ACID TECHNICAL Application for Registration of a Technical Grade Active Ingredient for Manufacturing Use

SECTION A: **Product Chemistry** 

Data to support this application for registration is being submitted as part of the "Data Submittal Package" in separately bound volumes in accordance with the provisions of PR Notice 86-5.

NOTE: All inquiries concerning this document should be directed to:

Becky Rhodes Registration & Regulatory Affairs Department Agricultural Products ZENECA Inc. Wilmington, De 19850

- Vol. 1 Robson, C. G. and I. G. Walton, "GLYPHOSATE ACID: PRODUCT IDENTITY, DESCRIPTION OF BEGINNING MATERIALS AND MANUFACTURING PROCESS AND DISCUSSION OF THE FORMULATION OF IMPURITIES, ZENECA AGROCHEMICALS", Guideline Number 61-1, 61-2 and 61-3, Zeneca Ag Products, Wilmington, DE, Report No. CGR201/96, May 1996, 71 pages.
- Vol. 2 Robson, C.G., P.M. Clarke, and P.R. Massey, "GLYPHOSATE ACID: Preliminary Analysis, Certification Of Limits And Methods Of Analysis To Verify Certified Limits", Guideline Series 62-1, 62-2 and 62-3, Zeneca Agrochemicals, Bracknell, Berkshire, UK, Report Number CGR10/96, June, 1996, 63 pages.
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# GLYPHOSATE ACID TECHNICAL Application for Registration of a Technical Grade Active Ingredient for Manufacturing Use

SECTION B: Proposed Labeling

NOTE: All inquiries concerning this document should be directed to:

Becky Rhodes
Registration & Regulatory Affairs Department
Agricultural Products
ZENECA Inc.
Wilmington, De 19850
Telephone: 423-982-8379

#### GLYPHOSATE ACID TECHNICAL Application for Registration of a Technical Grade Active Ingredient for Manufacturing Use

SECTION C: Toxicology

Data to support this application for registration is being submitted as part of the "Data Submittal Package" in separately bound volumes in accordance with the provisions of PR Notice 86-5.

NOTE: All inquiries concerning this document should be directed to:

**Becky Rhodes** Registration & Regulatory Affairs Department Agricultural Products ZENECA Inc. Wilmington, De 19850

- Vol. 4 Clapp, M. and A.L. Fletcher, "GLYPHOSATE ACID: OVERVIEW TOXICOLOGY", Guideline Number 81-1 to 81-8, 82-2, 82-7, 83-1, 83-3, 84-2, and 85-1, Central Toxicology Laboratory, Cheshire, UK, Report Number MER501, May 22, 1997, 17 pages.
- Vol. 5 Doyle, C.E., "GLYPHOSATE ACID: Acute Oral Toxicity Study In Rats", Guideline Number 81-1, Central Toxicology Laboratory, Cheshire, UK, Report Number CTL/P/4660, August 23, 1996, 34 pages.
- Vol. 6 Doyle, C.E., "GLYPHOSATE ACID: Acute Dermal Toxicity Study In The Rat", Guideline Number 81-2, Central Toxicology Laboratory, Cheshire, UK, Report Number CTL/P/4664, August 23, 1996, 39 pages.
- Vol. 7 Rattray, N.J., "GLYPHOSATE ACID: 4-Hour Acute Inhalation Toxicity Study in Rats", Guideline Number 81-3, Central Toxicology Laboratory, Cheshire, UK, CTL/P/4882, April 26, 1996, 86 pages.
- Vol. 8 Johnson, I.R., "GLYPHOSATE ACID: EYE IRRITATION TO THE RABBIT", Guideline Number 81-4, Central Toxicology Laboratory, Cheshire, UK, Report Number CTL/P/5138, March 18, 1997, 37 pages.
- Vol. 9 Doyle, C.E., "GLYPOSATE ACID: SKIN IRRITATION TO THE RABBIT", Guideline Number 81-5, Central Toxicology Laboratory, Cheshire, UK, Report Number CTL/P/4695, August 23, 1996, 21 pages.
- Vol. 10 Doyle, C.E., "GLYPHOSATE ACID: Skin Sensitisation To The Guinea Pig", Guideline Number 81-6, Central Toxicology Laboratory, Report Number CTL/P/4699, August 23, 1996, 33 pages.
- Vol.11 Johnson, A.J., "GLYPHOSATE ACID: ACUTE DELAYED NEUROTOXICITY STUDY IN THE DOMESTIC HEN", Guideline Number 81-7, Huntingdon Life Sciences Ltd., Report Number ISN 361/960244, August 23, 1996, 80 pages.
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- Vol. 13 Pinto, P.J., "GLYPHOSATE ACID: 21 DAY DERMAL TOXICITY STUDY IN RATS", Guideline Number 82-2, Central Toxicology Laboratory, Cheshire, UK, Report Number CTL/P/4985, June 24, 1996, 232 pages.
- Vol. 14 Horner, S.A., "GLYPHOSATE ACID: SUBCHRONIC NEUROTOXICITY STUDY IN RATS", Guideline Number 82-7, Zeneca Central Toxicology Laboratory, Cheshire, UK, Report Number CTL/P/4867, March 11, 1996, 729 pages. (2 books)
- Vol. 15 Milburn, G.M., "GLYPHOSATE ACID: ONE YEAR DIETARY TOXICITY STUDY IN RATS", Guideline Number 83-1, Central Toxicology Laboratory, Cheshire, UK, Report Number CTL/P/5143, October 2, 1996, 842 pages. (2 Books)
- Vol. 16 Brammer, A., "GLYPHOSATE ACID: 1 YEAR DIETARY TOXICITY STUDY IN DOGS", Guideline Number 83-1, Central Toxicology Laboratory, Cheshire, UK, Report Number CTL/P/5079, September 24, 1996, 498 pages. (2 books)
- Vol. 17 Moxon, M.E., "GLYPHOSATE ACID: DEVELOPMENTAL TOXICITY STUDY IN THE RAT", Guideline Number 83-3, Central Toxicology Laboratory, Cheshire, UK, Report Number CTL/P/4819, 367 pages.

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- Vol. 20 Clay, P., "GLYPHOSATE ACID: L5178Y TK\*/ MOUSE LYMPHOMA GENE MUTATION ASSAY", Guideline Number 84-2, Central Toxicology Laboratory, Cheshire, UK, Report Number CTL/P/4991, May 24, 1996, 29 pages.
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- Vol. 22 Davies, D.J., "GLYPHOSATE ACID: EXCRETION AND TISSUE RETENTION OF A SINGLE ORAL DOSE (10 mg/kg) IN THE RAT", Guideline Number 85-1, Central Toxicology Laboratory, Cheshire, UK, Report Number CTL/P/4940, February 4, 1996, 38 pages.
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#### GLYPHOSATE ACID TECHNICAL Application for Registration of a Technical Grade Active Ingredient for Manufacturing Use

SECTION I: **Ecological Effects** 

Data to support this application for registration is being submitted as part of the "Data Submittal Package" in separately bound volumes in accordance with the provisions of PR Notice 86-5.

NOTE: All inquiries concerning this document should be directed to:

**Becky Rhodes** Registration & Regulatory Affairs Department Agricultural Products ZENECA Inc. Wilmington, De 19850

- Vol. 28 Fletcher, A., "GLYPHOSATE ACID: OVERVIEW OF ECOLOGICAL EFFECTS AND ENVIRONMENTAL RISK ASSESSMENT", Guideline Number 71-1, 71-2, 71-3, 72-1, 72-2, 72-3, 123-1, AND 123-2, Huntingdon Life Sciences Ltd., Cambridgeshire, England, and Brixham Environmental Laboratory, Devon, England, and ZENECA Agrochemicals, Jealott's Hill Research Station, Bracknell, England, Report Number PMG MER 601, June 20, 1997, 17 pages.
- Vol. 29 Johnson, A.J., "GLYPHOSATE ACID: ACUTE ORAL TOXICITY (LD<sub>50</sub>) TO BOBWHITE QUAIL", Guideline Number 71-1, Huntingdon Life Sciences Ltd., Huntingdon, Cambridgeshire, England, Report Number ISN 400/963858, February 3, 1997, 18 pages.
- Vol. 30 Johnson, A.J., and I.S. Dawe, "GLYPHOSATE ACID: DIETARY LC<sub>50</sub> TO THE MALLARD DUCK", Guideline Number 71-2, Huntingdon Life Sciences Ltd., Huntingdon, Cambridgeshire, England, Report Number ZCA23/971766, June 16, 1997, 34 pages.
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- Vol. 32 Kent, S.J., D.S. Morris, J.E. Caunter, and S.K. Comish, "GLYPHOSATE ACID: ACUTE TOXICITY TO RAINBOW TROUT (*Oncorhynchus mykiss*)", Guideline Number 72-1, Brixham Environmental Laboratory (ZENECA Limited), Brixham, Devon, UK, Report Number BL5552/B, September 15, 1995, 21 pages.
- Vol. 33 Kent, S.J., J.E. Caunter, D.S. Morris and P.A. Johnson, "GLYPHOSATE ACID: ACUTE TOXICITY TO BLUEGILL SUNFISH (*Lepomis macrochirus*)", Guideline Number 72-1, Brixham Environmental Laboratory (ZENECA Limited), Brixham, Devon, UK, Report Number BL5553/B, November 24, 1995, 20 pages.
- Vol. 34 Morris, D.S., S.J. Kent, A.J. Banner, and S.J. Wallace, "GLYPHOSATE ACID: ACUTE TOXICITY TO Daphnia magna", Guideline Number 72-2, Brixham Environmental Laboratory (ZENECA Limited), Brixham, Devon, UK, Report Number BL5551/B, July 26, 1995, 22 pages.
- Vol. 35 Long, K.W.J., J.E. Caunter, S.J. Wallace and N. Shillabeer, "GLYPHOSATE ACID: ACUTE TOXICITY TO SHEEPSHEAD MINNOW (*Cyprinodon variegatus*)", Guideline Number 72 (1-3), Brixham Environmental Laboratory (ZENECA Limited), Brixham, Devon, UK, Report Number BL5715/B, March 30, 1996, 21 pages.
- Vol. 36 Long, K.W.J., N. Shillabeer, J.E. Caunter, and S.K. Comish, "GLYPHOSATE ACID: ACUTE TOXICITY TO mysid shrimp", Guideline Number 72-3, Brixham Environmental Laboratory (ZENECA Limited), Brixham, Devon, UK, Report Number BL5713/B, March 26, 1996, 20 pages.
- Vol. 37 Long, K.W.J., N. Shillabeer, J.E. Caunter and S.K. Comish, "GLYPHOSATE ACID: ACUTE TOXICITY TO LARVAE OF THE PACIFIC OYSTER (*Crassostrea gigas*)", Guideline Number 72-3, Brixham Environmental Laboratory (ZENECA Limited), Brixham, Devon, UK, Report Number BL5714/B, May 7, 1996, 20 pages.
- Vol. 38 Everett, C.J., T.M. Fleming, and J.F.H. Cole, "GLYPHOSATE ACID: A TIER II GLASSHOUSE STUDY TO ASSESS THE EFFECTS ON SEEDLING EMERGENCE OF TERRESTRIAL NON-TARGET PLANTS", Guideline Number 123-1(a), Zeneca Agrochemicals (Jealott's Hill Research Station), Bracknell, UK, Report Number RJ2008B, September 17, 1996, 32 pages.

- Vol. 39 Everett, C.J., T.M. Fleming, and J.F.H. Cole, "GLYPHOSATE ACID: A TIER II GLASSHOUSE STUDY TO ASSESS THE EFFECTS ON VEGETATIVE VIGOUR OF TERRESTRIAL NON-TARGET PLANTS", Guideline Number 123-1(a), Zeneca Agrochemicals (Jealott's Hill Research Station), Bracknell, UK, Report Number RJ2009B, August 12, 1996, 55 pages.
- Vol. 40 Smyth, et al, "GLYPHOSATE ACID: TOXICITY TO THE GREEN ALGA SELENASTRUM CAPRICORNUTUM", Guideline Number 123-2, Brixham Environmental Laboratory, Brixham, UK, Report Number BL5550/B, December, 1995, 24 pages.
- Vol. 41 Smyth, et al, "GLYPHOSATE ACID: TOXICITY TO DUCKWEED (Lemna gibba)", Guideline Number 123-2, Brixham Environmental Laboratory, Brixham, UK, Report Number BL5662/B, January 31, 1996, 24 pages.
- Vol. 42 Smyth, et al, "GLYPHOSATE ACID: TOXICITY TO BLUE-GREEN ALGA Anabaena flos-aquae", Guideline Number 123-2, Brixham Environmental Laboratory, Brixham, UK, Report Number BL5698/B, March 9, 1996, 25 pages.
- Vol. 43 Smyth, et al, "GLYPHOSATE ACID: TOXICITY TO THE MARINE ALGA (Skeletonema costatum)", Guideline Number 123-2, Brixham Environmental Laboratory, Brixham, UK, Report Number BL5684/B, February 10, 1996, 25 pages.
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# GLYPHOSATE ACID TECHNICAL Application for Registration of a Technical Grade Active Ingredient for Manufacturing Use

SECTION J: Environmental Fate

Data to support this application for registration is being submitted as part of the "Data Submittal Package" in separately bound volumes in accordance with the provisions of PR Notice 86-5.

NOTE: All inquiries concerning this document should be directed to:

**Becky Rhodes** Registration & Regulatory Affairs Department **Agricultural Products** ZENECA Inc. Wilmington, De 19850

- Vol. 45 Yeh, S.M., "GLYPHOSATE ACID: OVERVIEW OF ENVIRONMENTAL FATE", Guideline Number 161-1, 161-2, 161-3, 162-1, 163-1, and 164-1, ZENECA Inc., Western Research Center, Richmond, CA, Report Number TMR 0699B, March 20, 1997, 16 pages.
- Vol. 46 Bowler, D., "[P-Methylene-<sup>14</sup>C] GLYPHOSATE ACID: Aqueous Hydrolysis at pH 5,7, and 9 and 25°C", Guideline Number 161-1, Zeneca Ag Products, Richmond, CA, Report Number RR 96-002B, March 21, 1996, 60 pages.
- Vol. 47 Esser, T., Ph.D., "[P-METHYLENE-14C]GLYPHOSATE ACID: PHOTODEGRADATION IN A BUFFERED AQUEOUS SOLUTION AT pH 5 AND 7 BY NATURAL SUNLIGHT", Guideline Number 161-2, PTRL West, Inc., Richmond, CA, Report Number RR 96-028B, May 2, 1996, 69 pages.
- Vol. 48 Esser, T., Ph.D., "[P-METHYLENE-<sup>14</sup>C]GLYPHOSATE ACID: PHOTODEGRADATION IN/ON SOIL BY NATURAL SUNLIGHT", Guideline Number 161-3, PTRL West, Inc., Richmond, CA, Report Number RR 96-046B, July 11, 1996, 87 pages.
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- Vol. 50 Thomas, P.K., and M.C.G. Lane, "GLYPHOSATE ACID: ADSORPTION AND DESORPTION PROPERTIES OF PROPERTIES OF IN 5 SOILS", Guideline Number 163-1, Zeneca Agrochemicals (Jealott's Hill Research Station), Bracknell, Berkshire, UK, Report Number RJ2152B, September 5, 1996, 62 pages.
- Vol. 51 Muller, K., and M.C.G. Lane, "GLYPHOSATE ACID: ADSORPTION AND DESORPTION PROPERTIES OF THE MAJOR METABOLITE, AMPA, IN SOIL", Guideline Number 163-1, Zeneca Agrochemicals (Jealott's Hill Research Station), Bracknell, Berkshire, UK, Report Number RJ2129B, July 19, 1996, 59 pages.
- Vol. 52 Grant C. L. and Y. Iwata, "GLYPHOSATE ACID: Residue Levels in Soil after Applications to Turf and to Bare Soil for Trials Conducted in Mississippi During 1995-1996", Guideline Number 164-1, Zeneca Ag Products, Richmond, CA, Report Number RR 96-037B INT, August 29, 1996, 259 pages.
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Please read instructions on	reverse before completiv	na form		Form Approx	vad	OMB No. 2070	)-0080	Approval expires 05-31-98	
<b>\$EPA</b>	United States Environmental Protection Agency Washington, DC 20460				хх	Registration Amendment Other	on	OPP Identifier Number	
Color Manager	Α	pplication	n for Pestici	de - Secti	on l				
1. Company/Product Number 10182 — U GT  4. Company/Product (Name) GLYPHOSATE ACID TECHNICAL			2. EPA Product Manager  Jim Thompkins  PM#  25				3. Proposed Classification  None Restricted		
5. Name and Address of Ap ZENECA Ag Products 1800 Concord Pike, P Wilmington, DE 1985	e)	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No.  Product Name							
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1. Contact Point (Complete	items directly below for	r identification	of individual to b	e contacted, if	nece	ssary, to proce	ss this	application.)	
Name Becky Rhodes	Time Award		ride Regulatory Pro	oduct Manage	er		lephone 23-982	No. (Include Area Code) 2-8379	
I acknowledge that an both under applicable	ments I have made on t y knowingly false or mis law.	sleading state	all attachments the ment may be puni				ete.	6. Date Application Received (Stamped)	
2. Signature		3	. Title			12 - A 18			

4. Typed Name

Becky Rhodes

Regulatory Product Manager

5. Date

June 27, 1997

	Environment Washi	nited States al Protection Agency agton DC 20460 Respect to Citation of Data	Form Approved ORB No. 2070-0060 Approval Expires 2-28-95	
ZENECA ENECA O. Bo	A Inc. A Ag Products x 15458 ton, DE 19850	0-5458	EPA File Symbol/Registration Number 10182- UGT	
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*A	Data Matrix identifyin	g these studies is attached.	(Note: A Data Matrix is not required under the cite-all m	ethod.)
Signatur	by Rho	1	and Title Rhodes, Regulatory Product Manager	<b>Date</b> June 27, 1997
General Offer	to Pay. I hereby offer and	agree to pay compensation to oth	er persons, with regard to the approval of this application, to the ex	tent required by FIFRA section 3(c)(2)(D).
Signatur	re	Name	and Title	Date

#### DATA MATRIX

#### **GLYPHOSATE ACID Technical**

- Vol. 1 Robson, C. G. and I. G. Walton, "GLYPHOSATE ACID: PRODUCT IDENTITY, DESCRIPTION OF BEGINNING MATERIALS AND MANUFACTURING PROCESS AND DISCUSSION OF THE FORMULATION OF IMPURITIES, ZENECA AGROCHEMICALS", Guideline Number 61-1, 61-2 and 61-3, Zeneca Ag Products, Wilmington, DE, Report No. CGR201/96, May 1996, 71 pages.
- Vol. 2 Robson, C.G., P.M. Clarke, and P.R. Massey, "GLYPHOSATE ACID: Preliminary Analysis, Certification Of Limits And Methods Of Analysis To Verify Certified Limits", Guideline Series 62-1, 62-2 and 62-3, Zeneca Agrochemicals, Bracknell, Berkshire, UK, Report Number CGR10/96, June, 1996, 63 pages.
- Vol. 3 Wollerton, C. R. Husband and A.L. Fletcher, "GLYPHOSATE ACID: Physico-Chemical Data (TGAI and PAI)", Guideline Number 63-2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 17, and 20, Zeneca Agrochemicals, Bracknell, Berkshire, UK, Report Number ALF96/01, May, 1996, 70 pages.
- Vol. 4 Clapp, M. and A.L. Fletcher, "GLYPHOSATE ACID: OVERVIEW TOXICOLOGY", Guideline Number 81-1 to 81-8, 82-2, 82-7, 83-1, 83-3, 84-2, and 85-1, Central Toxicology Laboratory, Cheshire, UK, Report Number MER501, May 22, 1997, 17 pages.
- Vol. 5 Doyle, C.E., "GLYPHOSATE ACID: Acute Oral Toxicity Study In Rats", Guideline Number 81-1, Central Toxicology Laboratory, Cheshire, UK, Report Number CTL/P/4660, August 23, 1996, 34 pages.
- Vol. 6 Doyle, C.E., "GLYPHOSATE ACID: Acute Dermal Toxicity Study In The Rat", Guideline Number 81-2, Central Toxicology Laboratory, Cheshire, UK, Report Number CTL/P/4664, August 23, 1996, 39 pages.
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